

SCAG UrbanFootprint-based Scenario Planning Model (SPM)

SPM Working Group

November 19, 2014



SOUTHERN CALIFORNIA
ASSOCIATION of GOVERNMENTS

Agenda

1. Welcome
2. Status Update
3. Pilot Tests report and discussion
4. Scenario Development Site demo
5. Next Steps
6. Wrap-up and Future Agenda Items

Status Update

- Conducted two rounds of pilot testing of the data management site
 - **Round II:** tested multi-user log-ins with 6 local jurisdictions (*Aug. 2014*)
 - **Round III:** tested a user permission feature with 11 jurisdictions (*Oct.-Nov. 2014*)
- Completed an initial set-up of scenario development and analysis site

Pilot Tests Summary Report

The screenshot displays the SCAG UrbanFootprint Scenario Planning Model interface. The interface includes a map of the Irvine area, a table of selection results, and various management windows. Numbered callouts identify key components:

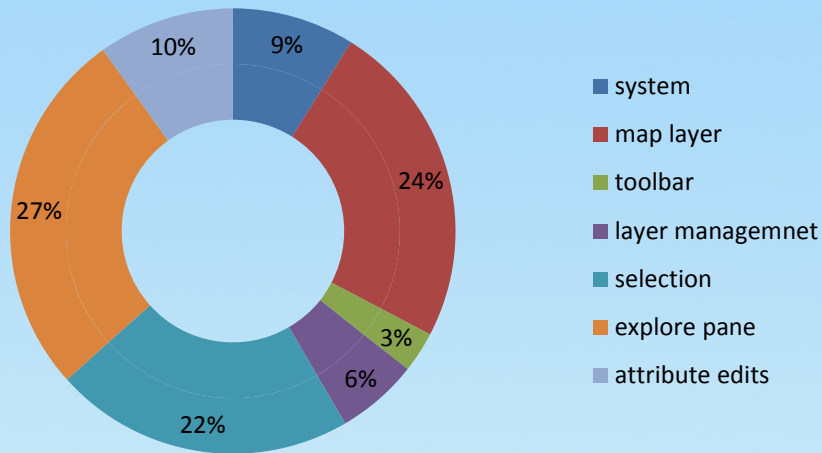
- 1: Layer Management Window** - Located on the left, it lists various map layers such as Background Imagery, Google map, Google aerial, Google labels, Open Street Map, Draft, Existing Land Use Parcels, Tier2 Tax, Jurisdiction Boundary, Sphere Of Influence, Scenario Planning Zones, General Plan Parcels, Orange County, Farmland, High Quality Transit Corridors, Open Holdings, Census Tracts, Habitat Conservation Areas, Endangered Species, County Boundary, Transit Priority Areas, Flood Zones, High Quality Transit Areas, Sub Region, and Major Transit Stops.
- 2: Map Toolbar** - Located at the top center of the map area, it contains standard GIS navigation tools like pan, zoom, and measure.
- 3: Explore Window** - Located at the top, it displays a table of selection results with columns: id, comment, updated, approval_status, apn, scaguid12, city, and county.
- 4: Edit Window** - Located on the right, it includes an 'Edit Features' button, a 'Layer' dropdown set to 'Existing Land Use Parcels', a 'User' field set to 'Orange_director', a 'Selected Records' count of 4, and a 'Comments' text area.
- 5: Map Area** - The central map area showing the Irvine region with various land use parcels highlighted in different colors.

Additional interface elements include a 'Select features from Existing Land Use Parcels' window at the top left, a 'Zoom map to selection' button, an 'Export as CSV' button, and a 'Save' button at the bottom right.

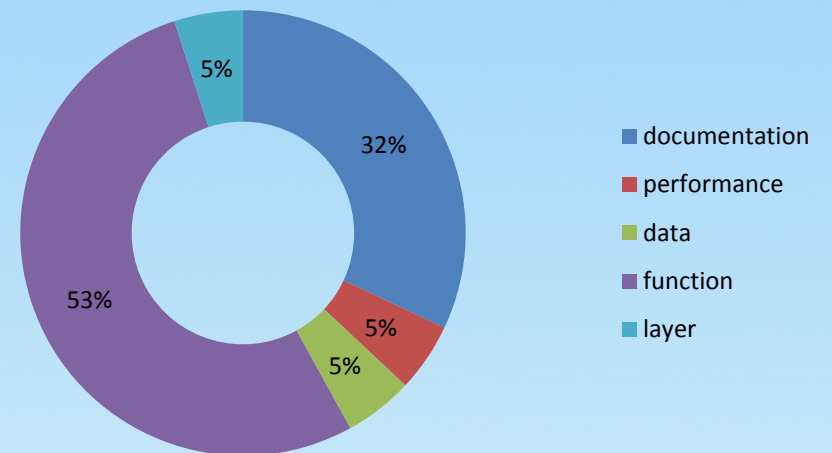
id	comment	updated	approval_status	apn	scaguid12	city	county
621698		2014-08-26T18:11:16	null	453-160-08	590458974	Irvine	Orange
626330		2014-08-26T18:11:16	null	453-160-09	590458975	Irvine	Orange
626343		2014-08-26T18:11:16	null	453-160-10	590458976	Irvine	Orange
626336		2014-08-26T18:11:16	null	453-160-02	590458973	Irvine	Orange

Pilot Tests Summary Report

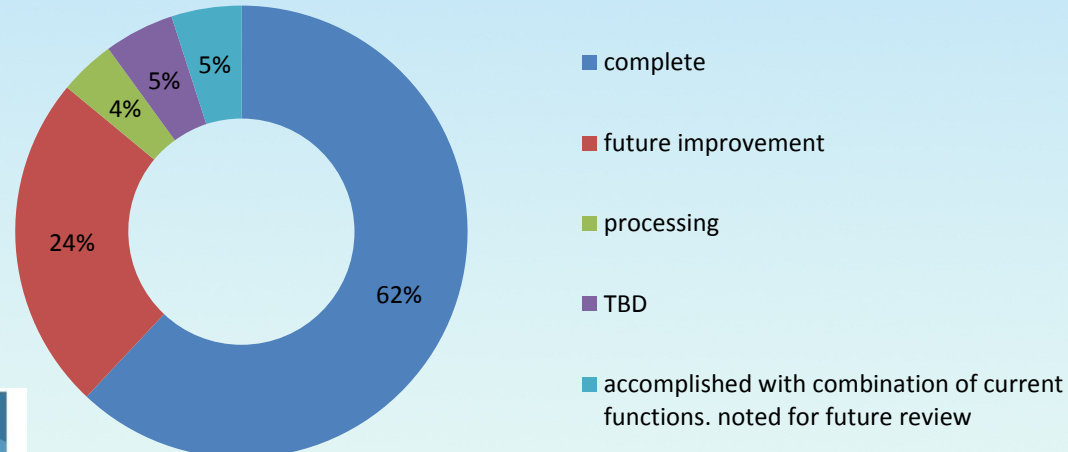
By Module



By Category



By Status

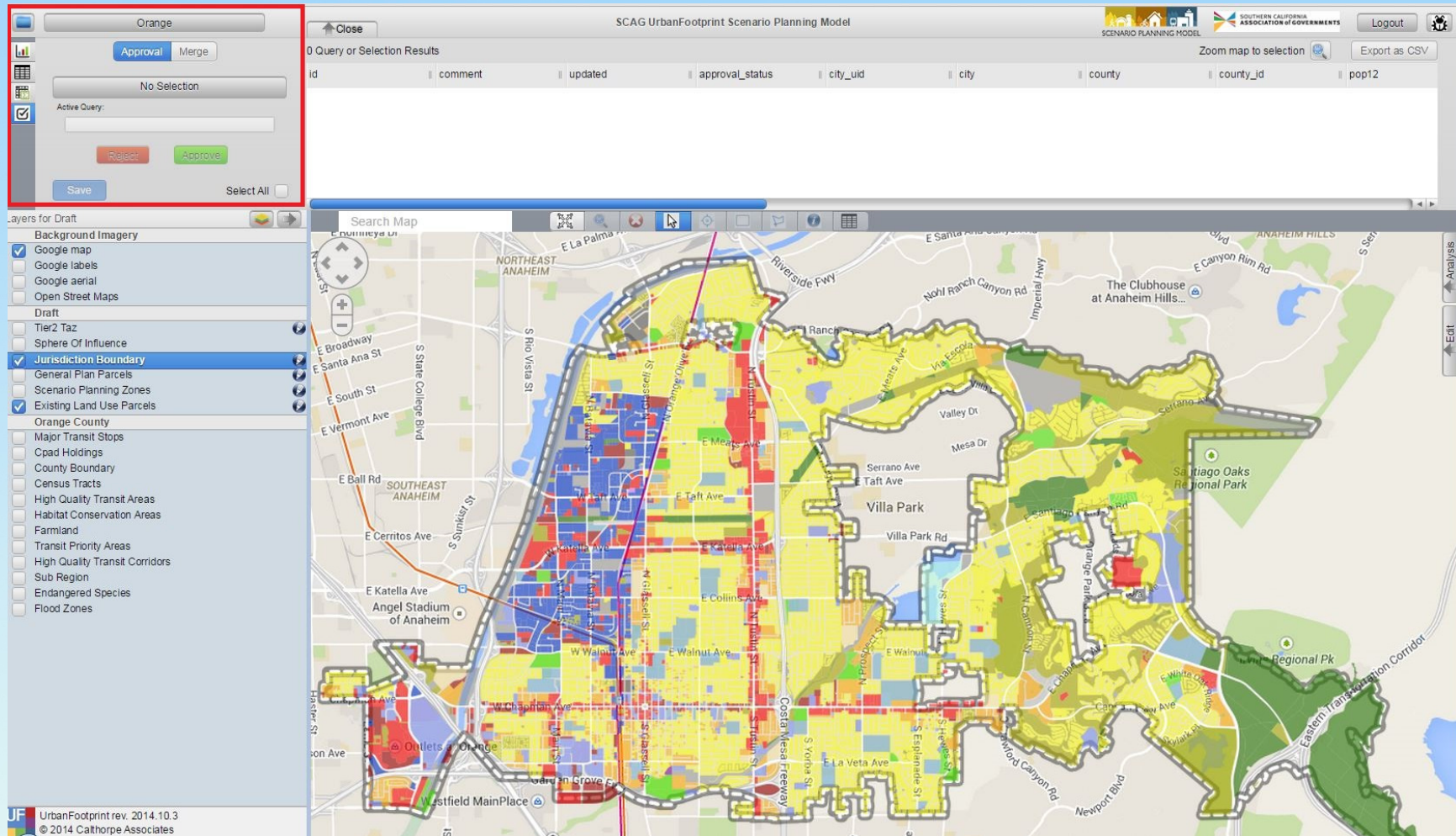


Pilot Tests Summary Report

TOOLBAR	Documentation	Describe functionality of toolbar icons	Included discussion that explains toolbar functions	complete
	Function	Use Hand tool to pan; use Arrow Tool as Point Selector	SCAG will discuss feasibility of implementing this feature request.	future improvement
LAYER MANAGEMENT	Documentation	Describe usage of background imagery	Included discussion that explains background imagery	complete
	Function	Open data in a tabular format and download	Data can be downloaded as geodatabase. SCAG will further discuss feasibility of implementing this feature request.	future improvement
		Add symbology of layers to the Layer Management	SCAG will discuss feasibility of implementing this feature request.	future improvement
		Explain how SPM maintains versions of data sets	Added Attribute Edits Reviewing and Merging functions	complete
		Cloudmade-OpenStreetMap layer not working	Fixed the layer and renamed to OpenStreetMap	complete
SELECTION	Documentation	Instruct how to query a specific APN	Provided examples of querying APN	complete
		Instruct how the Where field is utilized	Provided examples of querying through the Where field	complete
		Clarify Zoom Map to Selection function	Stated that users need to click Zoom Map to Selection function after querying in order to scale the display extent	complete
	Function	Allow users to apply different color/line design to highlight outline	Changed highlight outline color from green to purple when corresponding records are selected in Query window. SCAG will discuss feasibility of implementing this feature	future improvement
		Label APN, SED, and land use codes on the Map	SCAG will discuss feasibility of implementing this feature request.	future improvement
		Selected features are not showed on the Map	Fixed and selected features are outlined in green on the	complete
		Add Undo function	SCAG will discuss feasibility of implementing this feature request.	future improvement
		Double-click to activate the Where field for querying	Fixed and single-click to activate the Where field for	complete
		System error for querying	Fixed the bug	complete
		Bookmark area of interests	SCAG will discuss feasibility of implementing this feature request.	future improvement
		Return to previous map extent/ selection	SCAG will discuss feasibility of implementing this feature request.	future improvement



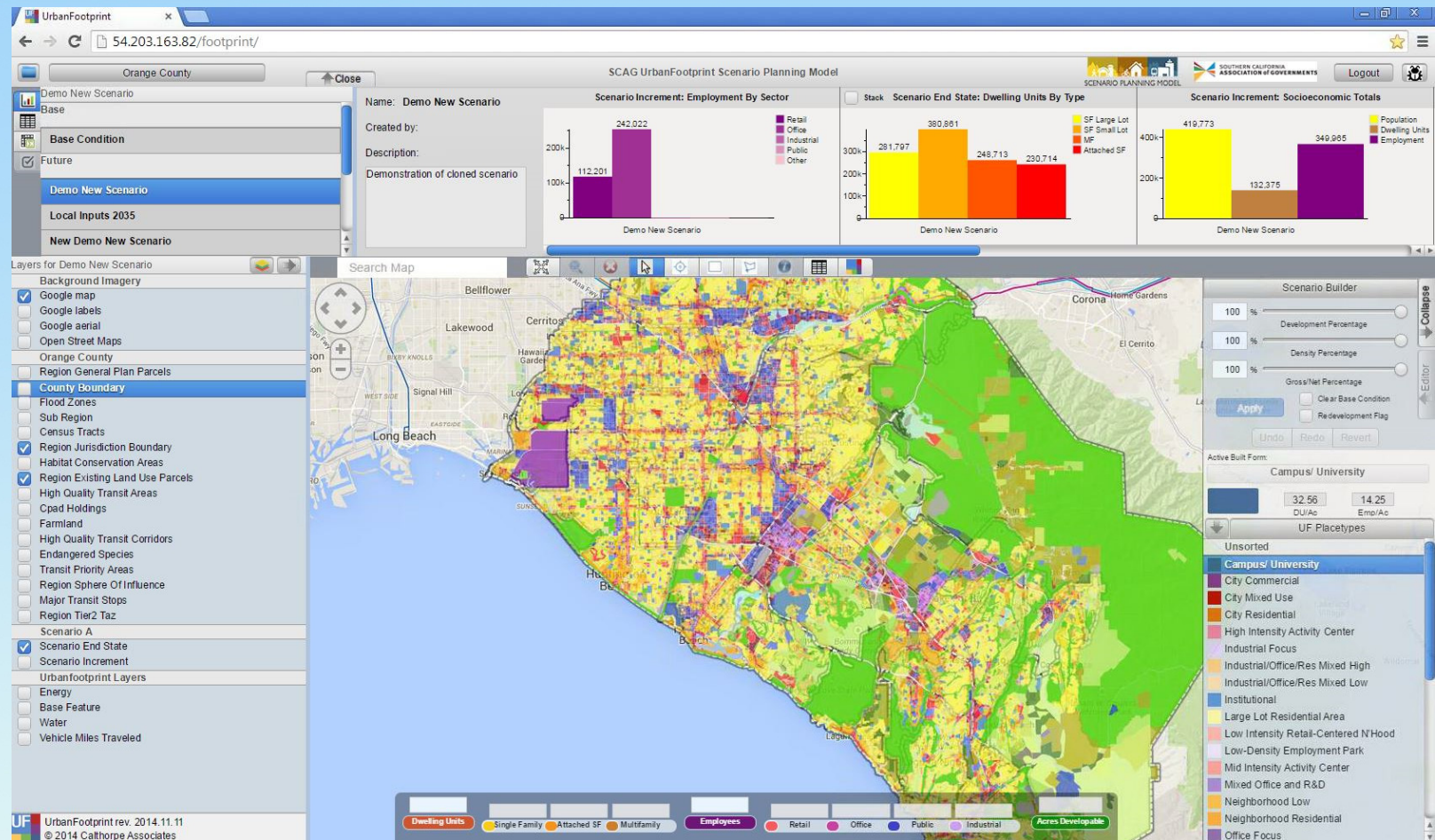
Pilot Tests Summary Report



Pilot Tests Summary Report

- Future Model Enhancement Goals
 - Functional
 - Performance
 - Reliability
 - Security
 - Usability
- Future Model Enhancement Focus
 - Selection/Query Function
 - Table joining/data aggregation function
 - Table display

Scenario Development/Analysis Site demo



SPM Scenario Development /Analysis Site User Interface

Next Steps

- Focus on activities related to scenario development
- Work on testing infrastructure and making the data management site available to all local jurisdictions and provide training
- Work on the integration and enhancement of the SPM and make the complete site available to local jurisdictions
- Continue SPM Working Group meeting and work with County/Subregion

For More Information

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<http://sp.scag.ca.gov>

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